



1/22

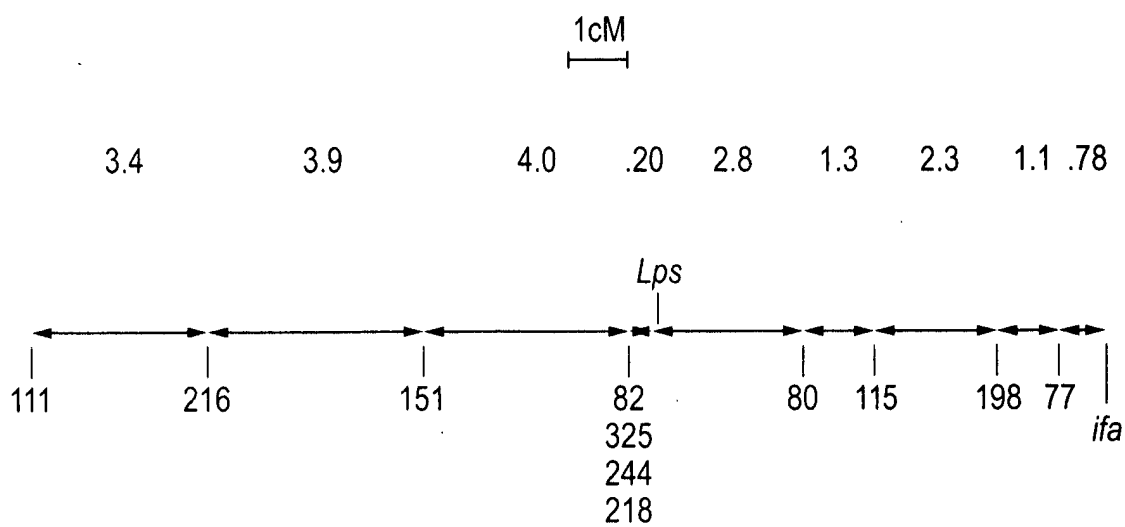


FIG. 1

2/22

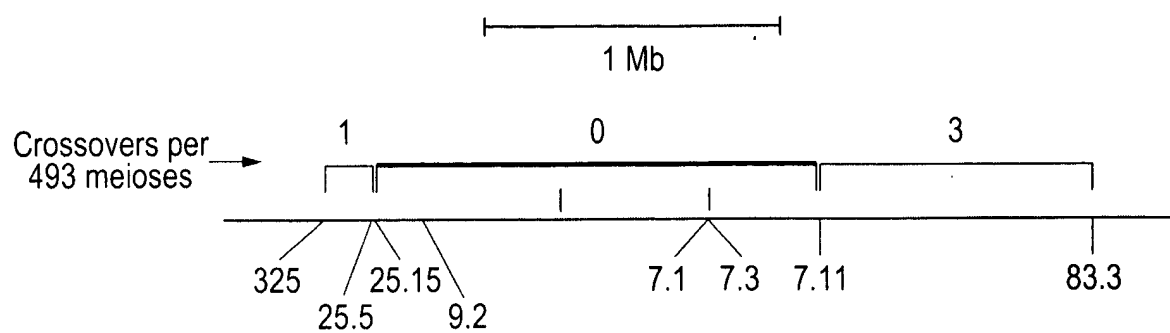


FIG. 2A

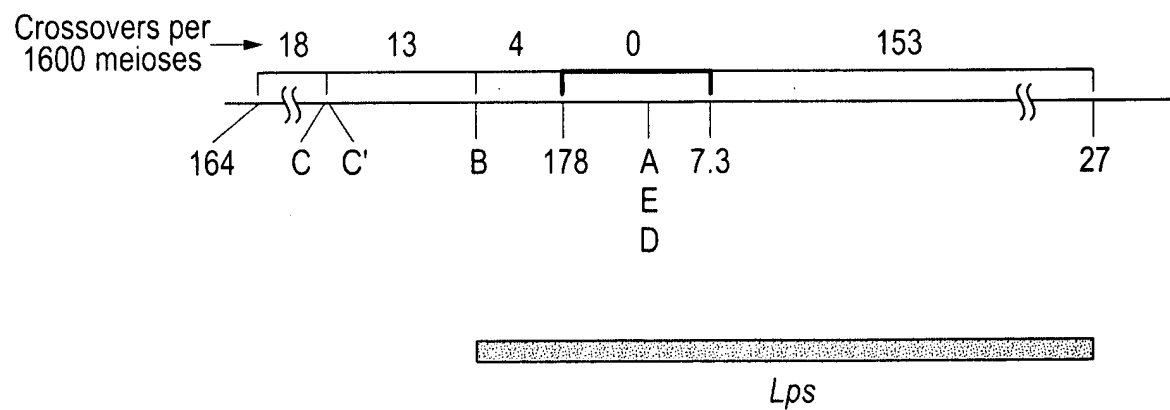


FIG. 2B

3/22

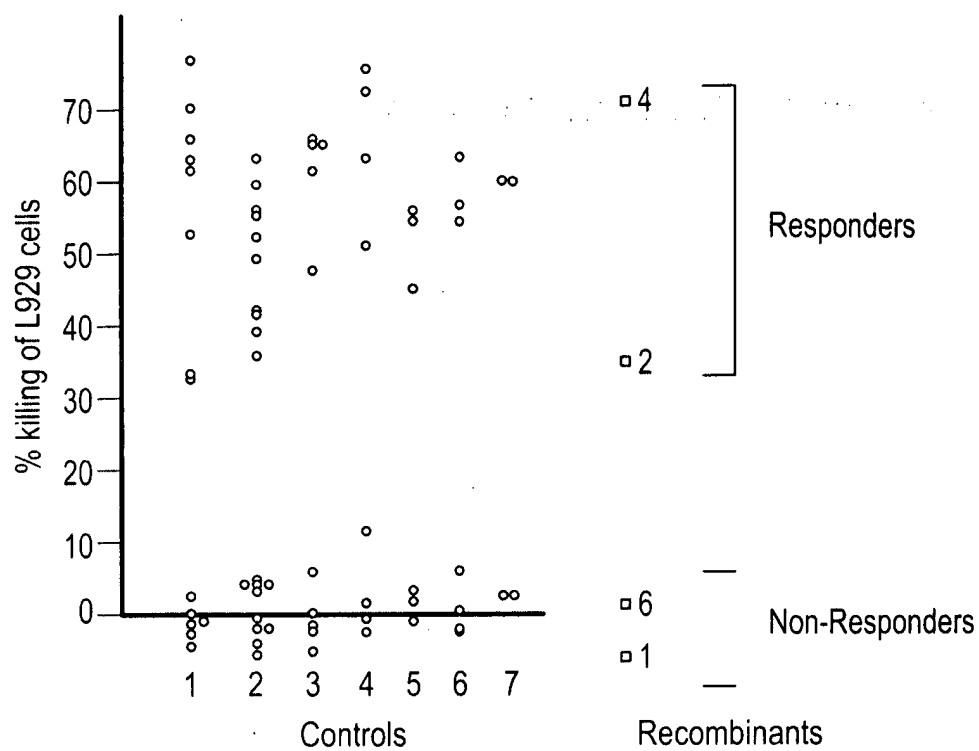


FIG. 3A

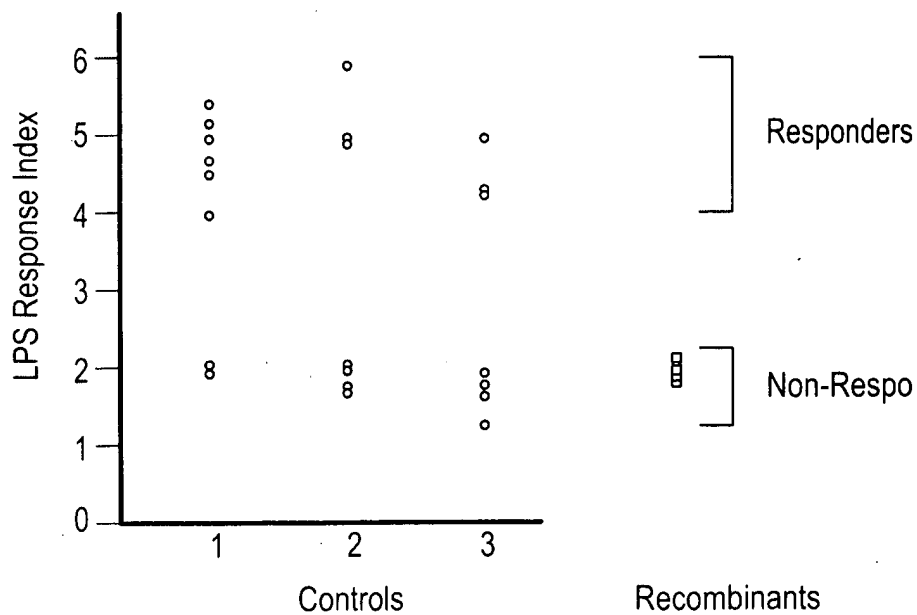


FIG. 3B

5/22

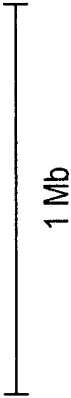
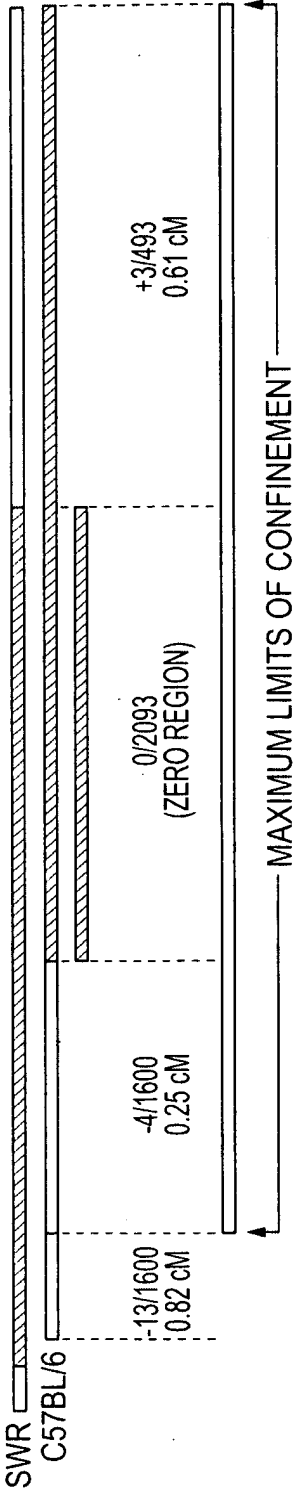


FIG. 4B

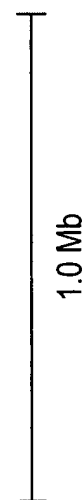


FIG. 5

7/22

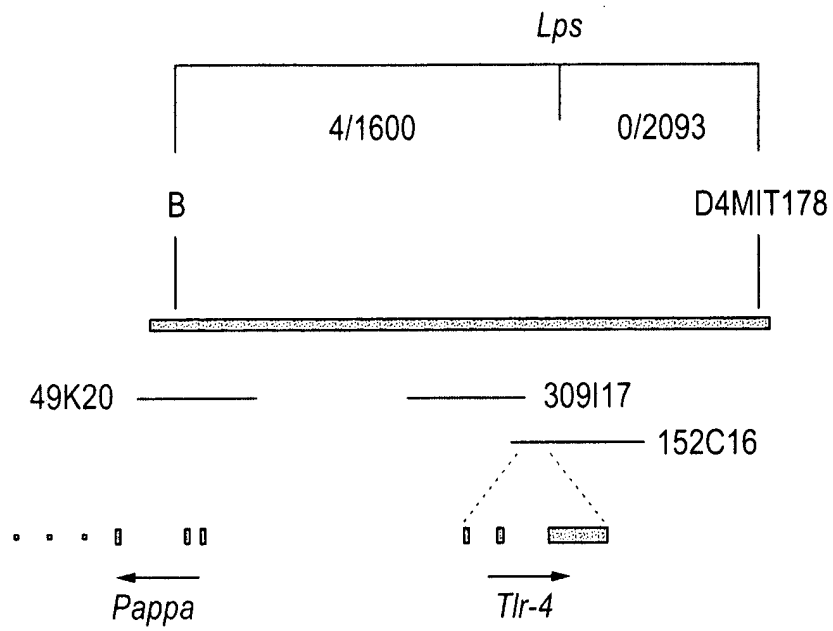


FIG. 6

8/22

	1				50
jtoll	MMPPWLLART	LIMAL.FFSC	LTPGSLNPCI	EVVPNITYQC	MDQKLSKVPD
ntoll	MMPPWLLART	LIMAL.FFSC	LTPGSLNPCI	EVVPNITYQC	MDQKLSKVPD
rattlr4	MMPLLHLAGT	LIMAL.FLSC	LRPGSLNPCI	EVLPNITYQC	MDQKLSKIPH
humtlr4	MMSASRLAGT	LIPAMAFSLC	VRPESWEPVCV	EVVPNITYQC	MELNFYKIPD
	51				100
jtoll	DTPSSTKNID	LSFNPLKILK	SYSFSNFSEL	QWLDLSRCEI	ETIEDKAWHG
ntoll	DTPSSTKNID	LSFNPLKILK	SYSFSNFSEL	QWLDLSRCEI	ETIEDKAWHG
rattlr4	DIPYSTKNLD	LSFNPLKILR	SYSFTNFSQL	QWLDLSRCEI	ETIEDKAWHG
humtlr4	NLPFSTKNLD	LSFNPLRHLG	SYSFFSFPEL	QVLDLSRCEI	QTIEDGAYQS
	101				150
jtoll	LHLSNLILT	GNPIQSFSPG	SFSGLTSLN	LVAVETKLAS	LESFPIGQLI
ntoll	LHLSNLILT	GNPIQSFSPG	SFSGLTSLN	LVAVETKLAS	LESFPIGQLI
rattlr4	LNQLSTLVLT	GNPIKSFSPG	SFSGLTSLN	LVAVETKMTS	LEGFHIGQLI
humtlr4	LSHLSNLILT	GNPIQSLALG	AFSGLSLQK	LVAVETNLAS	LENFPIGQLI
	151				200
jtoll	TLKKLNVAHN	FIGSCKLPAY	FSNLTNLVHV	DLSYNYIQT	TVNDLQFLRE
ntoll	TLKKLNVAHN	FIGSCKLPAY	FSNLTNLVHV	DLSYNYIQT	TVNDLQFLRE
rattlr4	SLKKLNVAHN	LIHSFKLPEY	FSNLTNLEHV	DLSYNYIQT	SVKDLQFLRE
humtlr4	TLKELNVAHN	LIQSFKLPEY	FSNLTNLEHL	DLSSNKIQSI	YCTDLRVLHQ
	201				250
jtoll	NPQVNLSLDM	SLNPIDFIQD	QAFQGIKLHE	LTLRGNFNSS	NIMKTCLQNL
ntoll	NPQVNLSLDM	SLNPIDFIQD	QAFQGIKLHE	LTLRGNFNSS	NIMKTCLQNL
rattlr4	NPQVNLSLDL	SLNPIDSIQA	QAFQGIKLHE	LTLRSNFNSS	NVLKMCCLQNM
humtlr4	MPLLNLSLDL	SLNPMNFIQP	GAFKEIRLHE	LTLRNFDL	NVMKTCIQGL
	251				300
jtoll	AGLHVHRLIL	GEFKDERNLE	IFEPSIMEGL	CDVTIDEFRL	TYTNDFSDDI
ntoll	AGLHVHRLIL	GEFKDERNLE	IFEPSIMEGL	CDVTIDEFRL	TYTNDFSDDI
rattlr4	TGLHVHRLIL	GEFKDERNLE	SFDRSVMEGL	CNVSIDFRL	TYINHFSDDI
humtlr4	AGLEVHRLVL	GEFRNEGNLE	KFDKSALEGL	CNTLIEEFRL	AYLDYYSDDI
	301				350
jtoll	VK.FHCLANV	SAMSLAGVSI	KYLEDVPKHF	KWQSLSIIRC	QLKQFPTLDL
ntoll	VK.FHCLANV	SAMSLAGVSI	KYLEDVPKHF	KWQSLSIIRC	QLKQFPTLDL
rattlr4	YN.LNCLANI	SAMSFTGVHI	KHIADVPKHF	KWQSLSIIRC	HLKPPFKLSL
humtlr4	IDLFNCLTNV	SSFSLVSVTI	ERVKDFSYNF	GWQHLELVNC	KFGQFPTLKL
	351				400
jtoll	PFLKSLTLM	NKGSISFKKV	ALPSLSYLDL	SRNALSFSGC	CSYSDLGTNS
ntoll	PFLKSLTLM	NKGSISFKKV	ALPSLSYLDL	SRNALSFSGC	CSYSDLGTNS
rattlr4	PLFKSWTLTT	NREDISFGQL	ALPSLRYLTL	SRNAMSFRGC	CSYSDFGTNN
humtlr4	KSLKRLTFTS	NKGGNAFSEV	DLPSLEFLDL	SRNGLSFKGC	CSQSDFGTTS
	401				450
jtoll	LRHLDLSFNG	AIIMSANFMG	LEELQHLDLDFQ	HSTLKRVTET	SAFLSLEKLL
ntoll	LRHLDLSFNG	AIIMSANFMG	LEELQHLDLDFQ	HSTLKRVTET	SAFLSLEKLL
rattlr4	LKYLDLSFNG	VILMSANFMG	LEELEYLDLDFQ	HSTLKKVTET	SVFLSLEKLL
humtlr4	LKYLDLSFNG	VITMSSNFLG	LEQLEHLDLDFQ	HSNLKQMSEF	SVFLSLRNLI

FIG. 7A

9/22

	451				500
jtoll	YLDISYTNTK	IDFDGIFLGL	TSLNTLKMAG	NSFKDNTLSN	VFANTTNLTF
ntoll	YLDISYTNTK	IDFDGIFLGL	TSLNTLKMAG	NSFKDNTLSN	VFANTTNLTF
rattlr4	YLDISYTNTK	IDFDGIFLGL	ISLNTLKMAG	NSFKDNTLSN	VFTNTTNLTF
humtlr4	YLDISHTHTR	VAFNGIFLGL	SSLEVLKMAG	NSFQENFLPD	IFTELRLNLT
	501				550
jtoll	LDLSKCQLEQ	ISWGVFDTLH	RLQLLNMSHN	NLLFLDSSHY	NQLYSLSTLD
ntoll	LDLSKCQLEQ	ISWGVFDTLH	RLQLLNMSHN	NLLFLDSSHY	NQLYSLSTLD
rattlr4	LDLSKCQLEQ	ISRGVFDTLY	RLQLLNMSHN	NLLFLDP SHY	KQLYSLRTLD
humtlr4	LDLSQCQLEQ	LSPTAFNSLS	SLQVLNMSHN	NFFSLDTFPY	KCLNSLQVLD
	551				600
jtoll	CSFNRIETS.	KGILQHFPKS	LAFENLTNNS	VACICEHQKF	LQWVKEQKQF
ntoll	CSFNRIETS.	KGILQHFPKS	LAFENLTNNS	VACICEHQKF	LQWVKEQKQF
rattlr4	CSFNRIETS.	KGILQHFPKS	LAVFNLTNNS	VACICEYQNF	LQWVKDQKMF
humtlr4	CSFNRIETS.	KQELQHFPKS	LAFLNLTQND	FACTCEHQSF	LQWIKDQRQL
	601				650
jtoll	LVNVEQMTCA	TPVEMNTSLV	LDFNNSTCYM	YKTIISVSVV	SVIVVSTVAF
ntoll	LVNVEQMTCA	TPVEMNTSLV	LDFNNSTCYM	YKTIISVSVV	SVIVVSTVAF
rattlr4	LVNVEQMKA	SPIDMKASLV	LDFTNSTCYI	YKTIISVSVV	SVLVVATVAF
humtlr4	LVEVERMECA	TPSDKQGMPV	LSL.NITCOM	NKTIIGVSVL	SVLVVSVVAV
	651				700
jtoll	<u>LIYHFYFHLI</u>	LIAGCKKYSR	GESIYDAFVI	YSSQNEWDVR	NELVKNLEEG
ntoll	<u>LIYHFYFHLI</u>	LIAGCKKYSR	GESIYDAFVI	YSSQNEWDVR	NELVKNLEEG
rattlr4	<u>LIYHFYFHLI</u>	LIAGCKKYSR	GESIYDAFVI	YSSQNEWDVR	NELVKNLEEG
humtlr4	<u>LVYKFYFHLM</u>	LLAGCIKYGR	GENIYDAFVI	YSSQDEWDVR	NELVKNLEEG
	701				750
jtoll	VPRFHLCLHY	RDFIHGVAIA	ANTIQEGFHK	SRKVIVVVSQ	HFIQSRWCIF
ntoll	VPRFHLCLHY	RDFIHGVAIA	ANTIQEGFHK	SRKVIVVVSQ	HFIQSRWCIF
rattlr4	VPRFQLCLHY	RDFIPGVAIA	ANTIQEGFHK	SRKVIVVVSQ	HFIQSRWCIF
humtlr4	VPPFQLCLHY	RDFIPGVAIA	ANTIHEGFHK	SRKVIVVVSQ	HFIQSRWCIF
	751				800
jtoll	EYEIAQTWQF	LSSRSGIIFI	VLEKVEKSL	RQQVELYRLL	SRNTYLEWED
ntoll	EYEIAQTWQF	LSSRSGIIFI	VLEKVEKSL	RQQVELYRLL	SRNTYLEWED
rattlr4	EYEIAQTWQF	LSSRSGIIFI	VLEKVEKSL	RQQVELYRLL	SRNTYLEWED
humtlr4	EYEIAQTWQF	LSSRAGIIFI	VLQKVEKTL	RQQVELYRLL	SRNTYLEWED
	801				840
jtoll	NPLGRHIFWR	RLKNALLDGG	ASNPEQTAE	EQETATWT~~	
ntoll	NPLGRHIFWR	RLKNALLDGG	ASNPEQTAE	EQETATWT~~	
rattlr4	NALGRHIFWR	RLKKALLDGG	ALNPDETSEE	EQEATTLT~~	
humtlr4	SVLGRHIFWR	RLRKALLDGG	SWNPEGTVGT	GCNWQEATSI	

FIG. 7B

10/22

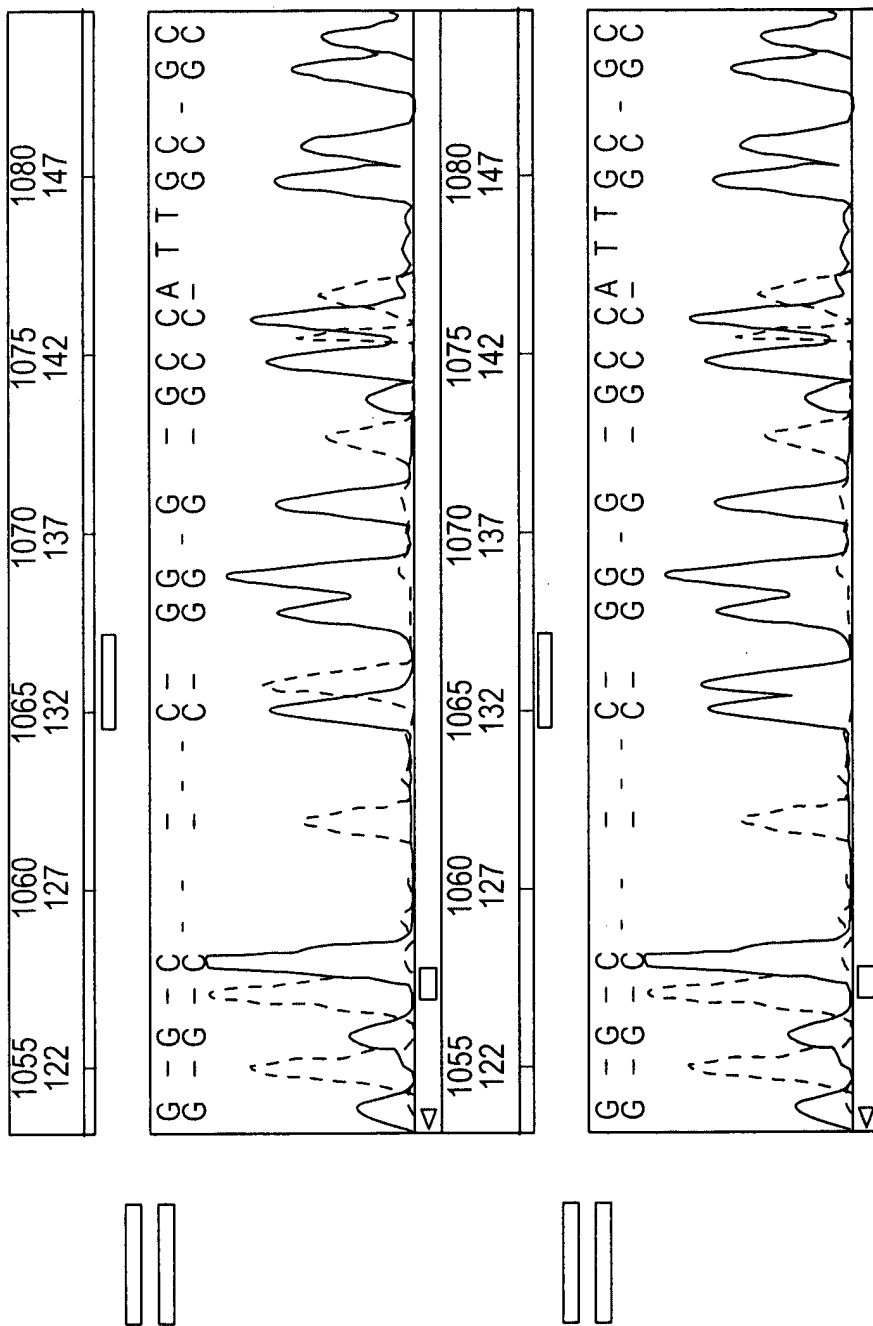


FIG. 7C

11/22

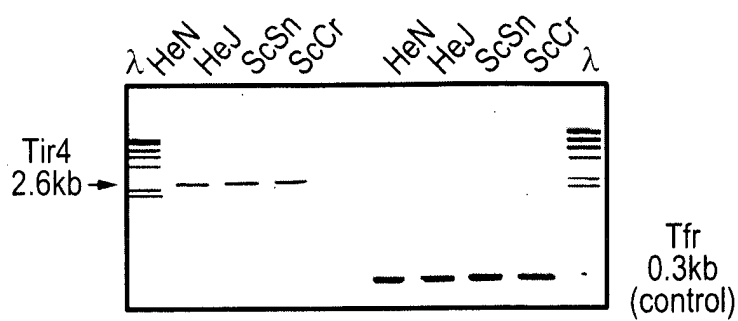


FIG. 8A

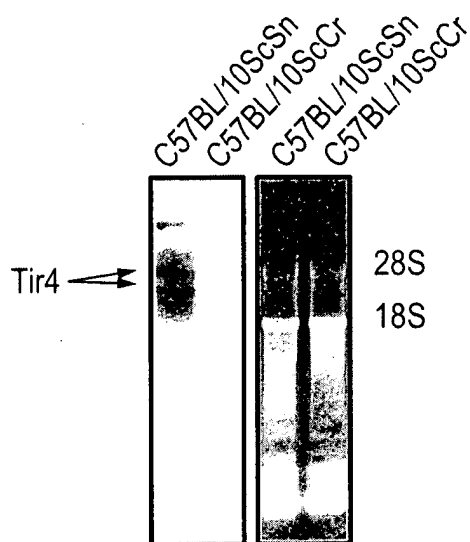


FIG. 8B

12/22

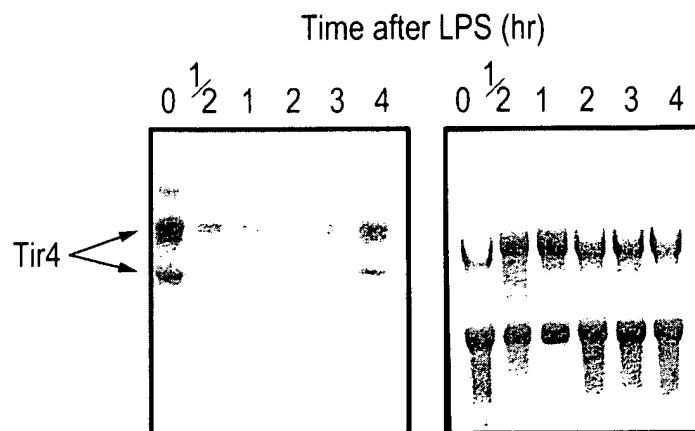


FIG. 9

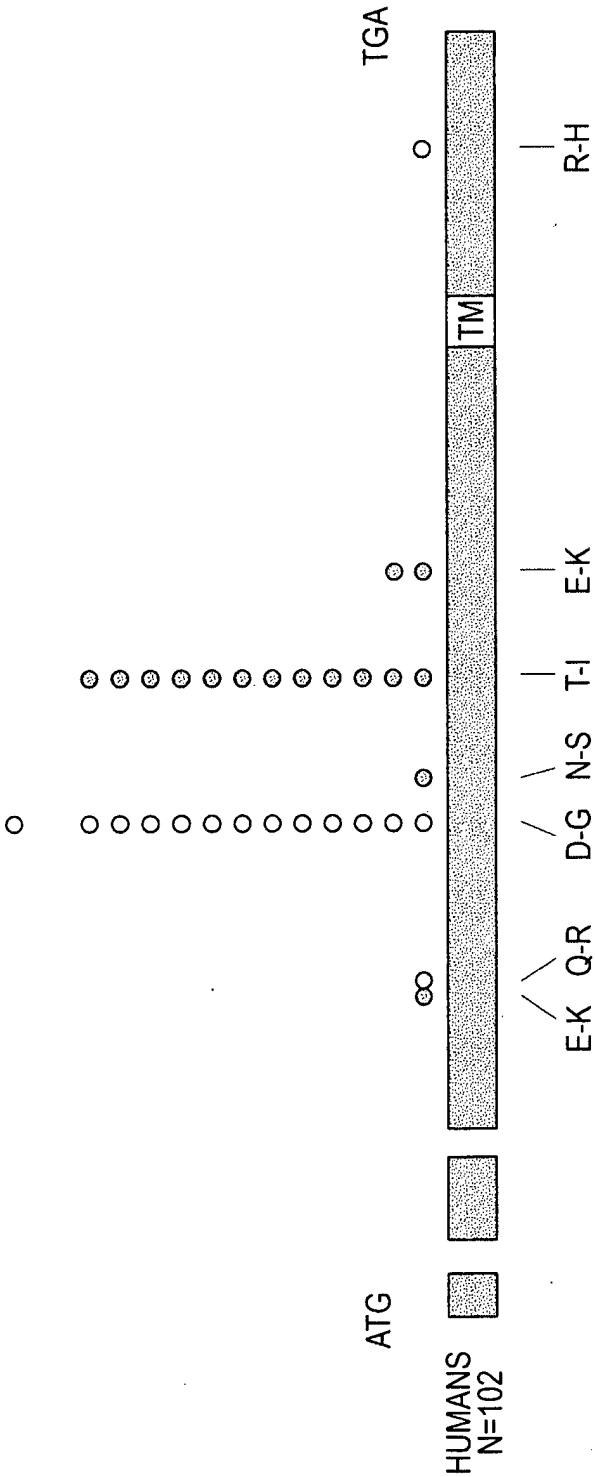


FIG. 10

14/22

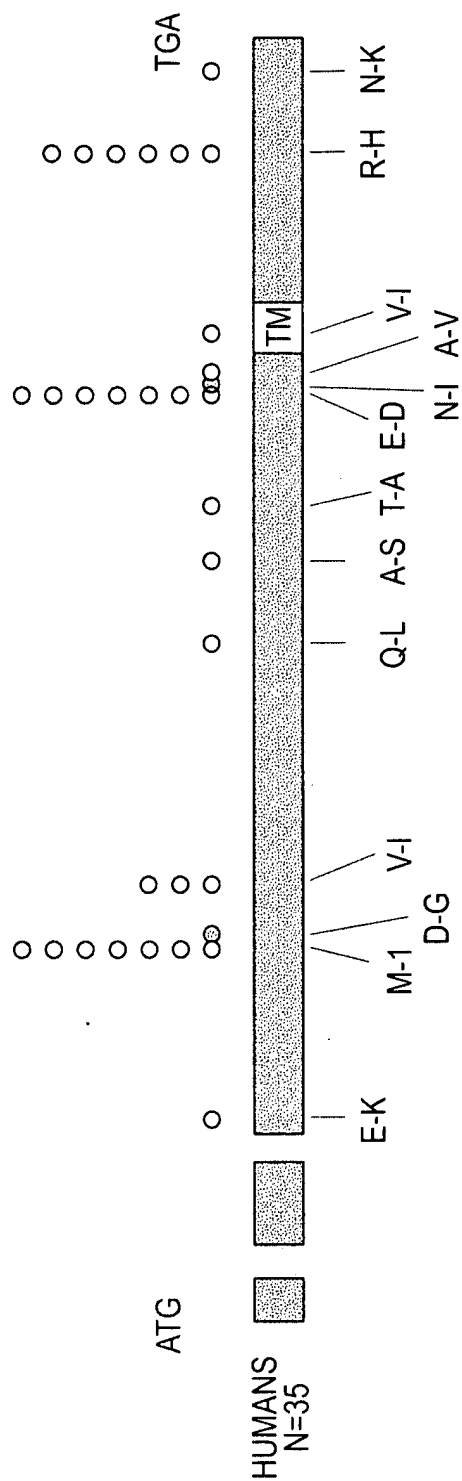


FIG. 11

15/22

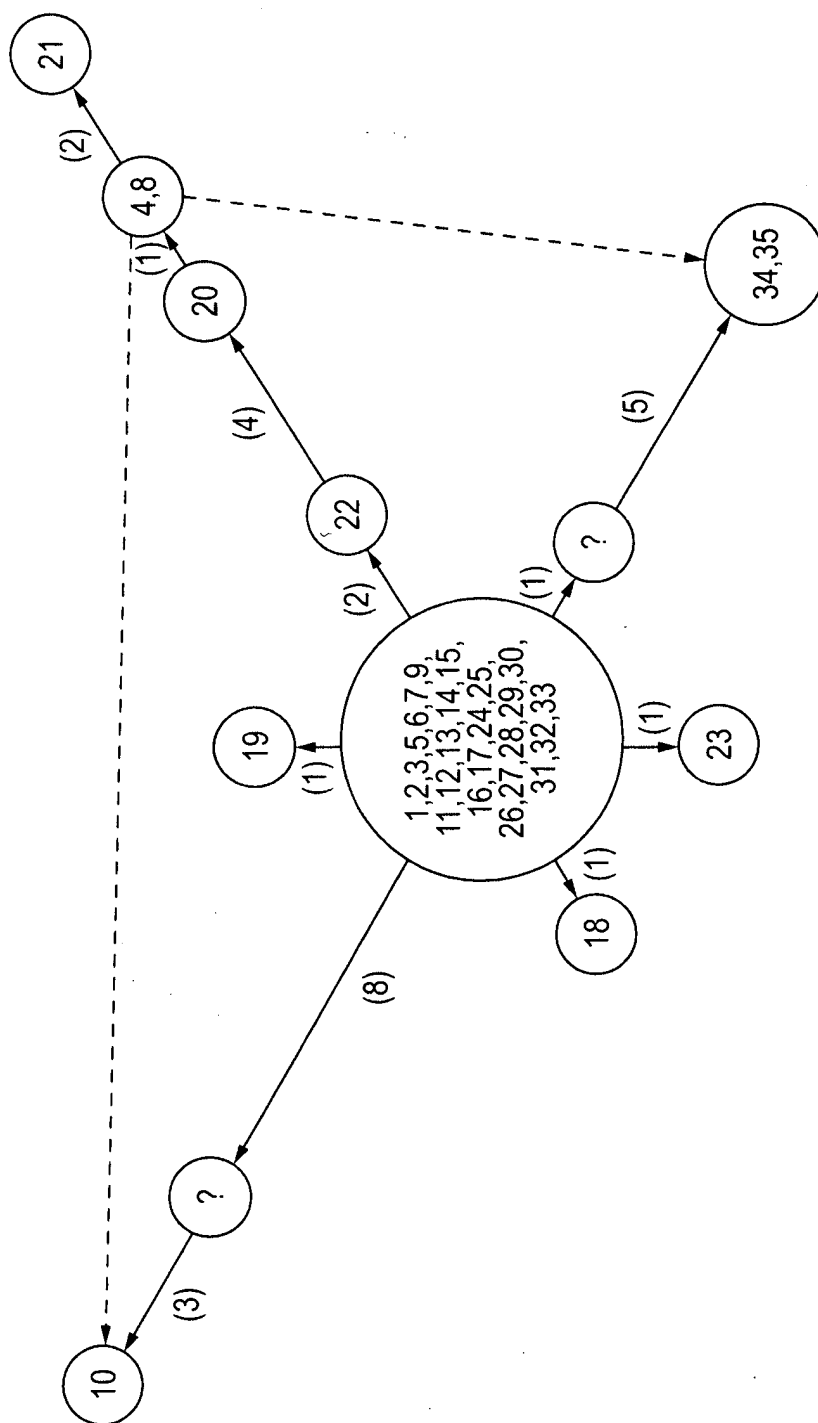


FIG. 12

16/22

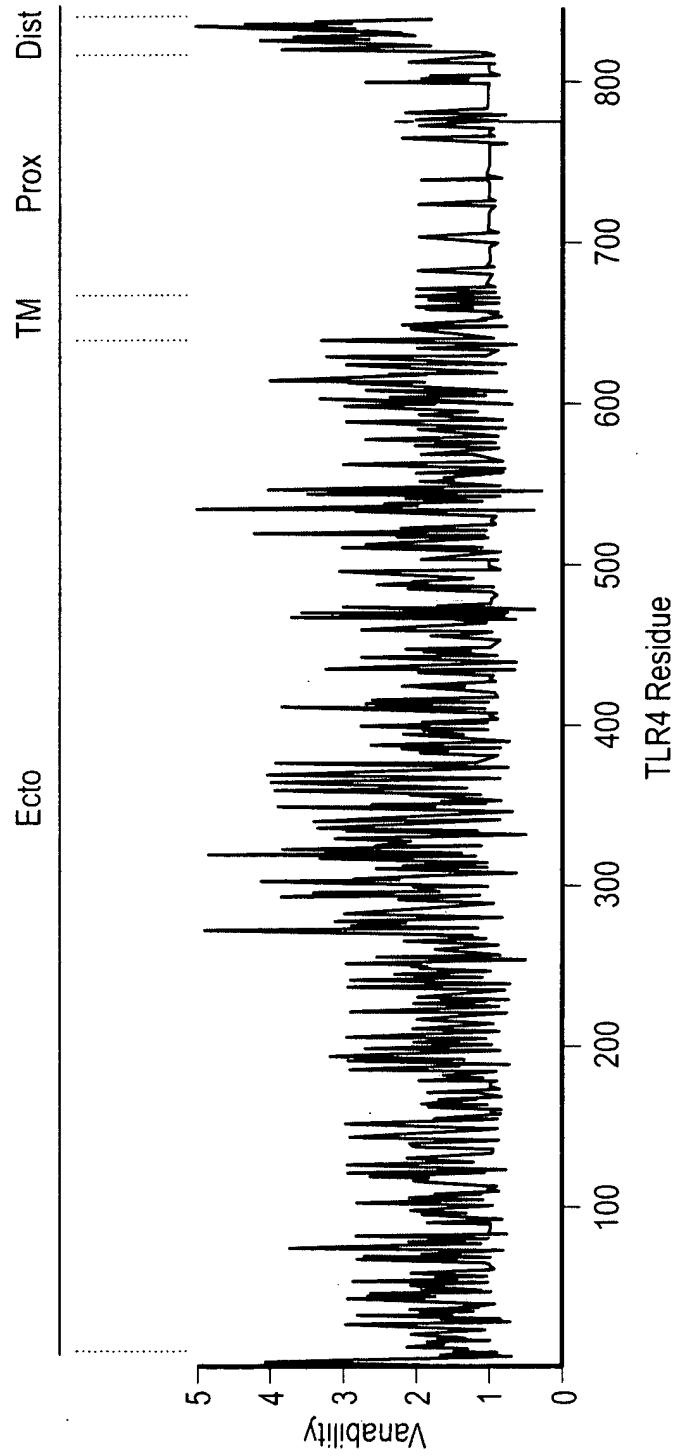


FIG. 13

17/22

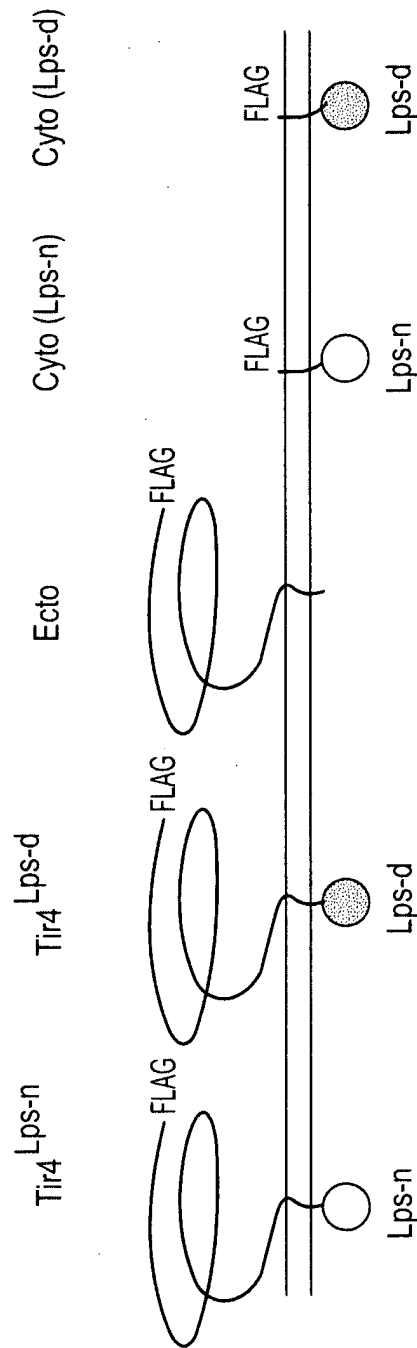


FIG. 14

18/22

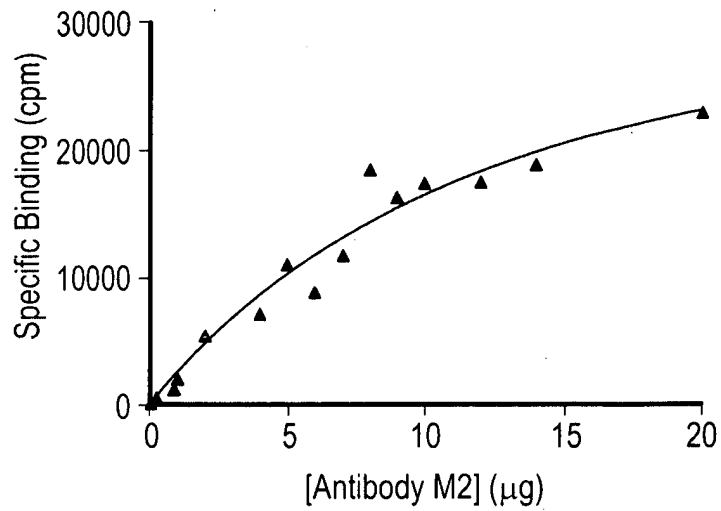


FIG. 15A

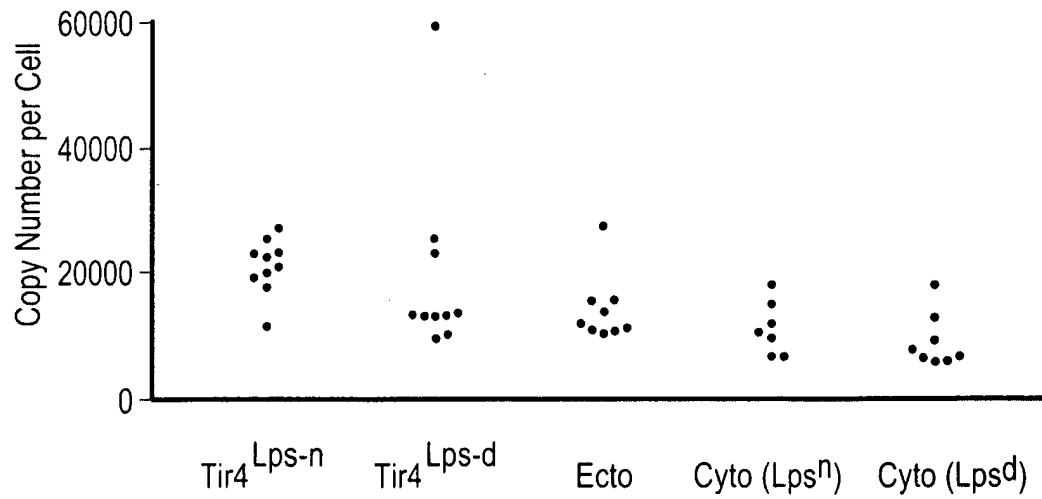


FIG. 15B

19/22

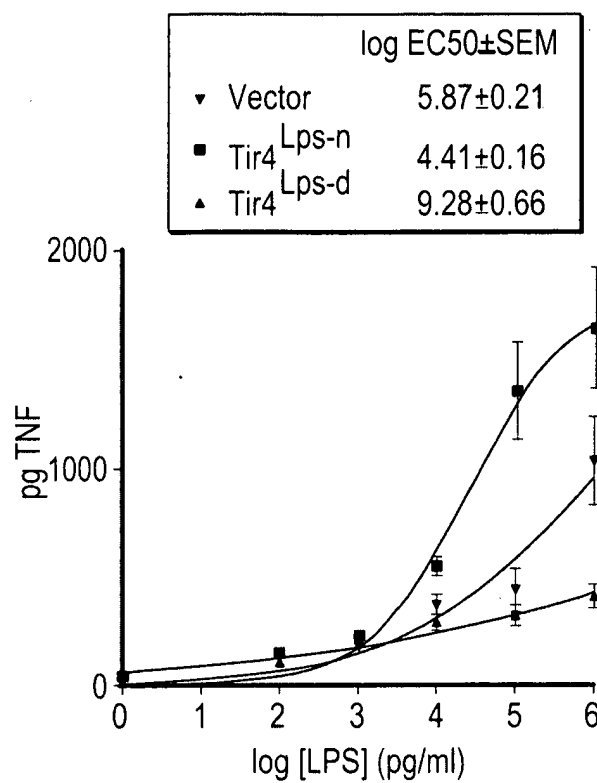


FIG. 15C

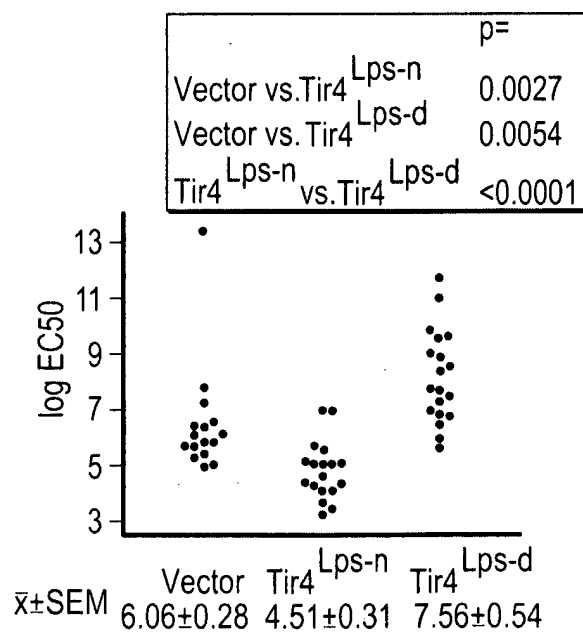


FIG. 15D

20/22

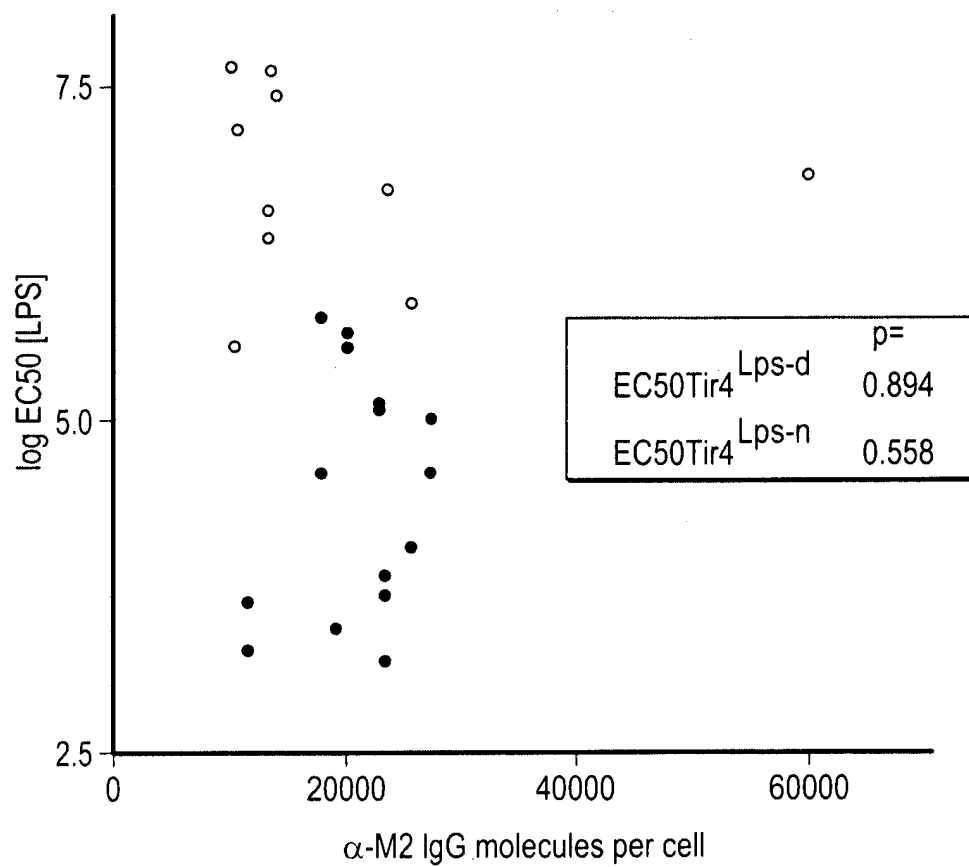


FIG. 15E

21/22

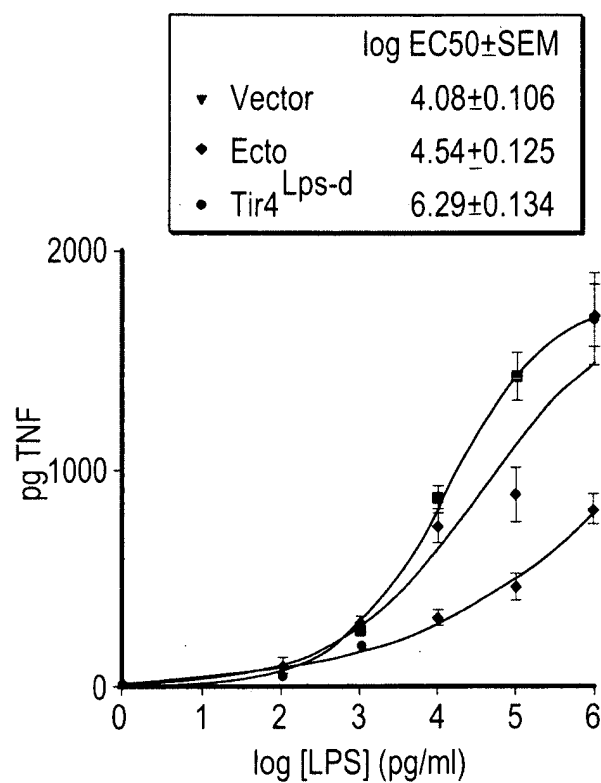


FIG. 16A

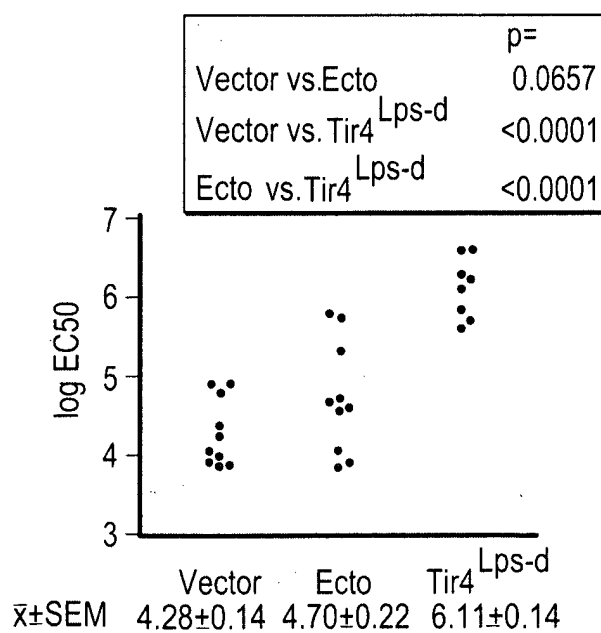


FIG. 16B

22/22

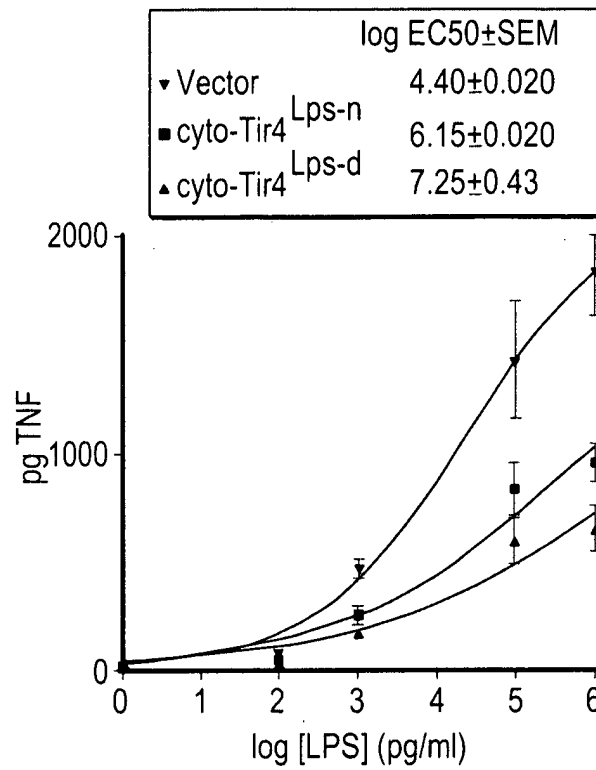


FIG. 17A

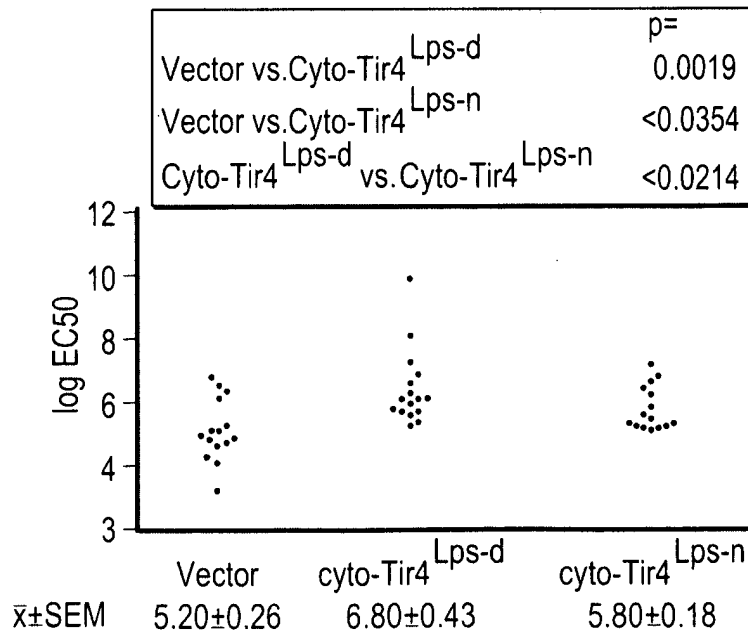


FIG. 17B